



Dell Chromebook 11 3180 Motherboard Replacement

How to replace the motherboard on your Dell Chromebook 11 3180.

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INTRODUCTION

This guide will instruct you on how to remove the motherboard of your laptop. This is a rather involved process and may require some significant time to accomplish. The motherboard is located below the battery and is connected to nearly everything so take care that it is completely disconnected by following this step by step guide.



TOOLS:

- [Phillips #0 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Tweezers](#) (1)
 - [Spudger](#) (1)
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Step 1 — Back Cover



- Set your laptop upside down on your work space.

Step 2



- Using tweezers, remove the circular stickers that are covering the two screws near the middle of the back cover. Stick them to the laptop next to the screws.

Step 3



- Using a Phillips #0 screwdriver, loosen all seven 2.5mm screws on the back cover of the device.
- ⓘ These screws will stay attached to the back cover, so just loosen them until they rattle around.

Step 4



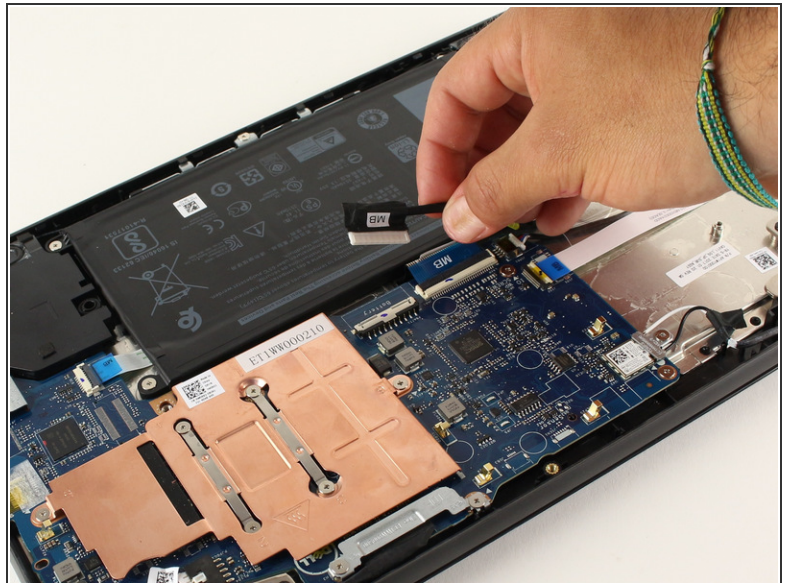
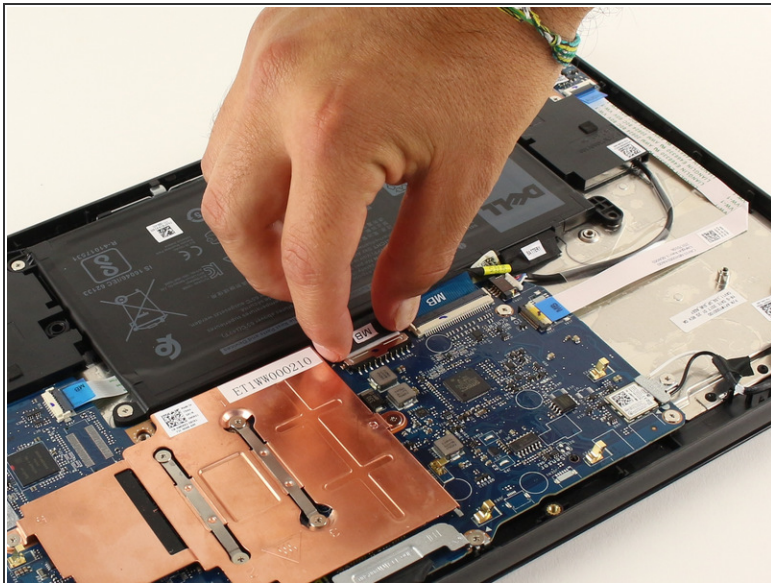
- Using a plastic opening tool, begin to separate the back cover from the body of the computer.
- ⓘ If you have trouble prying a particular part of the back cover off, make sure that the nearest screws are fully loosened.

Step 5



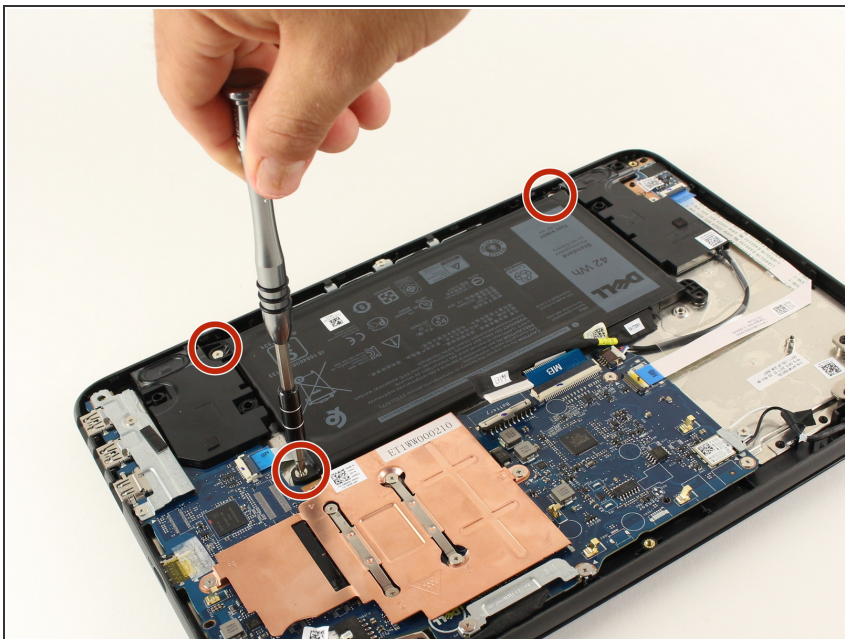
- Using your hands, pull the back cover fully off of the body of the computer.

Step 6 — Battery



- Unplug the battery from the motherboard by gently pulling the black cable header from the motherboard towards the battery.
- ⓘ You can locate this cable by checking that its other end connects to the battery. It has black protective wrap.

Step 7



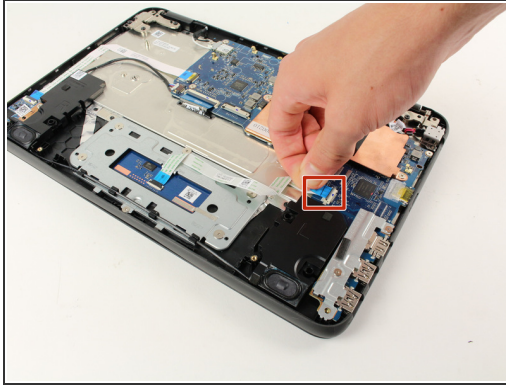
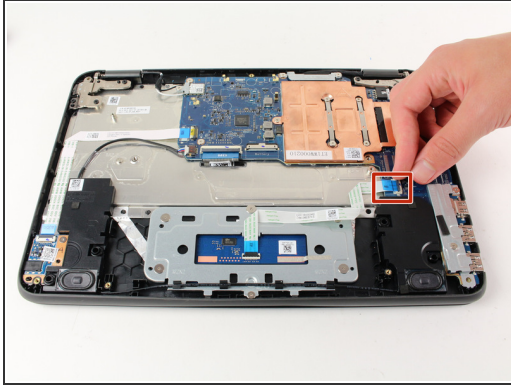
- Using a Phillips #0 screwdriver, remove each of the three 3mm screws from the battery.

Step 8



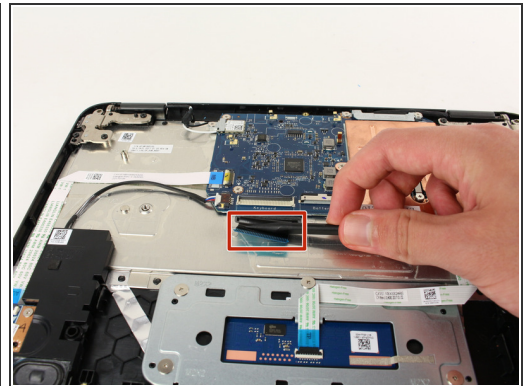
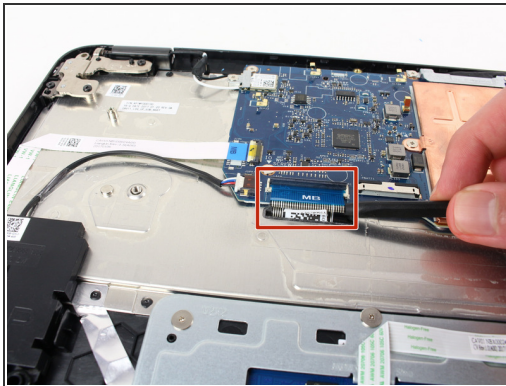
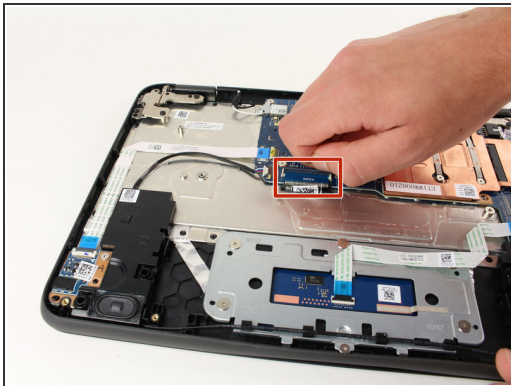
- Lift the battery away from the computer to remove it.
- ⓘ If there is any resistance to the battery being removed, make sure that all of the screws have been properly removed and that nothing is blocking the battery.

Step 9 — Motherboard



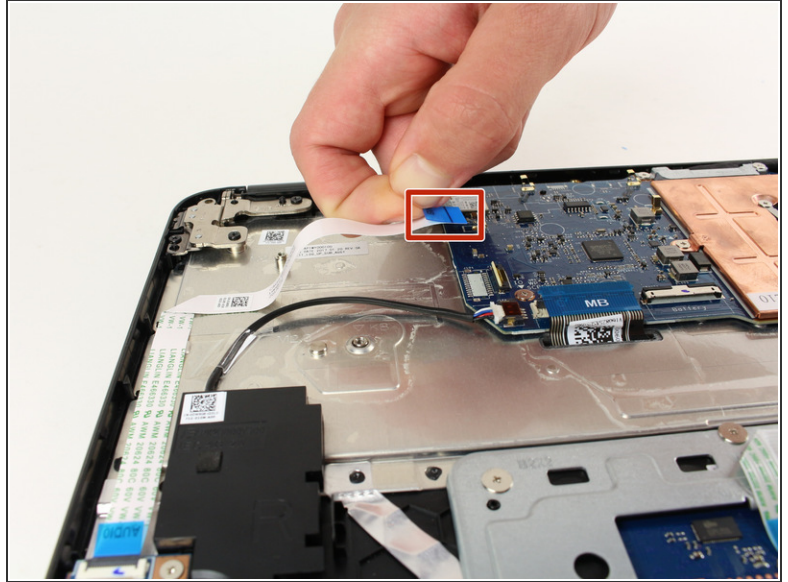
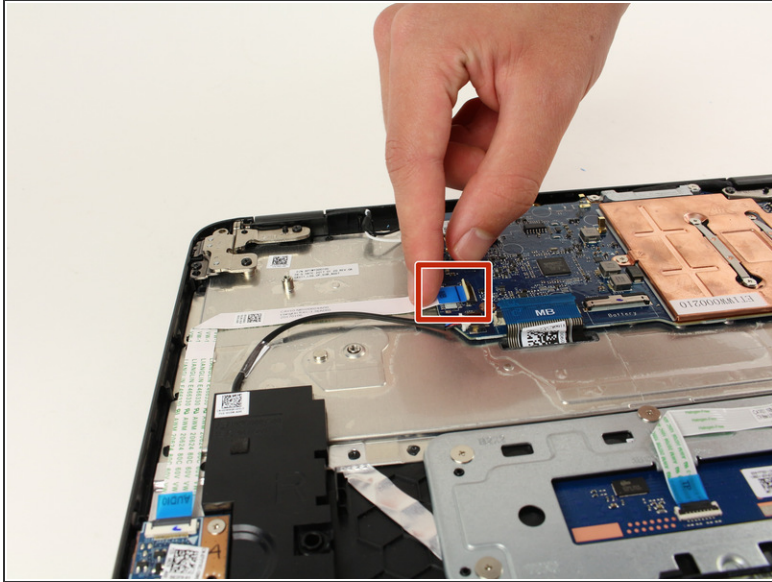
- Lift the black clasp and gently pull on blue ribbon until it completely disconnects from the motherboard.

Step 10



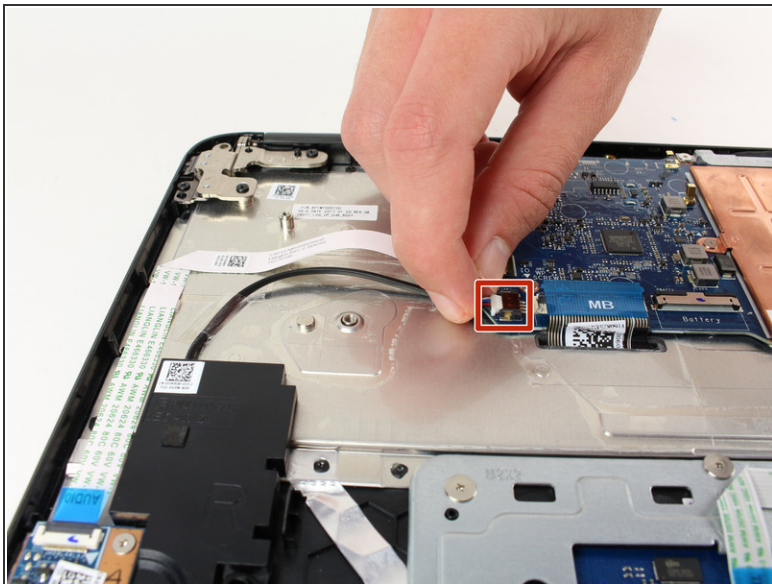
- Lift the black clasp and use the spudger tool to remove the ribbon so that it completely disconnects from the motherboard.

Step 11



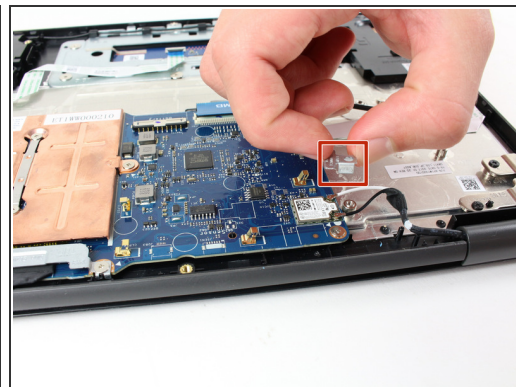
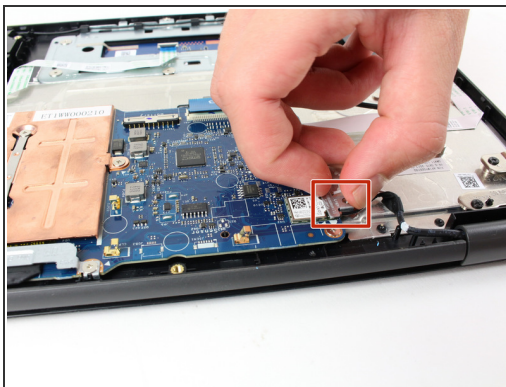
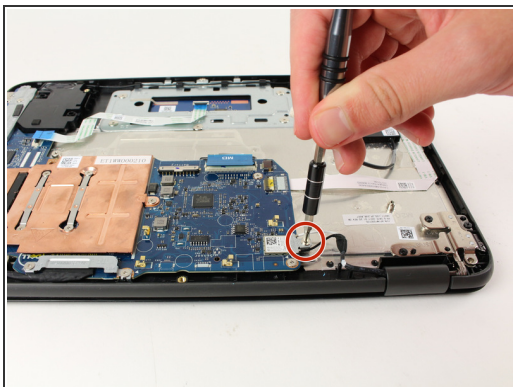
- Lift the black clasp and gently pull on blue ribbon until it completely disconnects from the motherboard.

Step 12



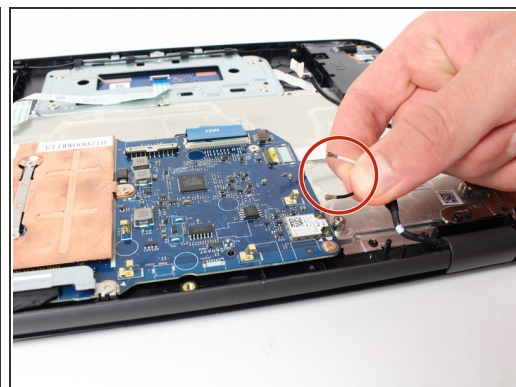
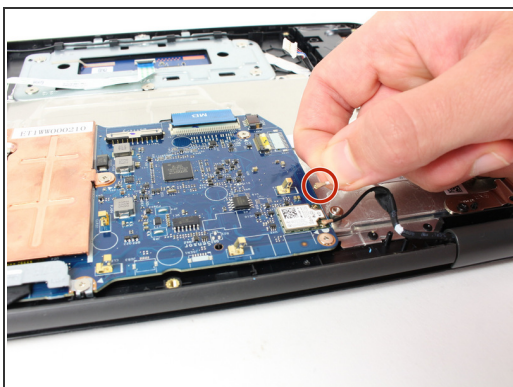
- Locate and gently pull the wire harness (small plastic box with wires leading to the black audio speakers) directly out of the connector on the motherboard.

Step 13



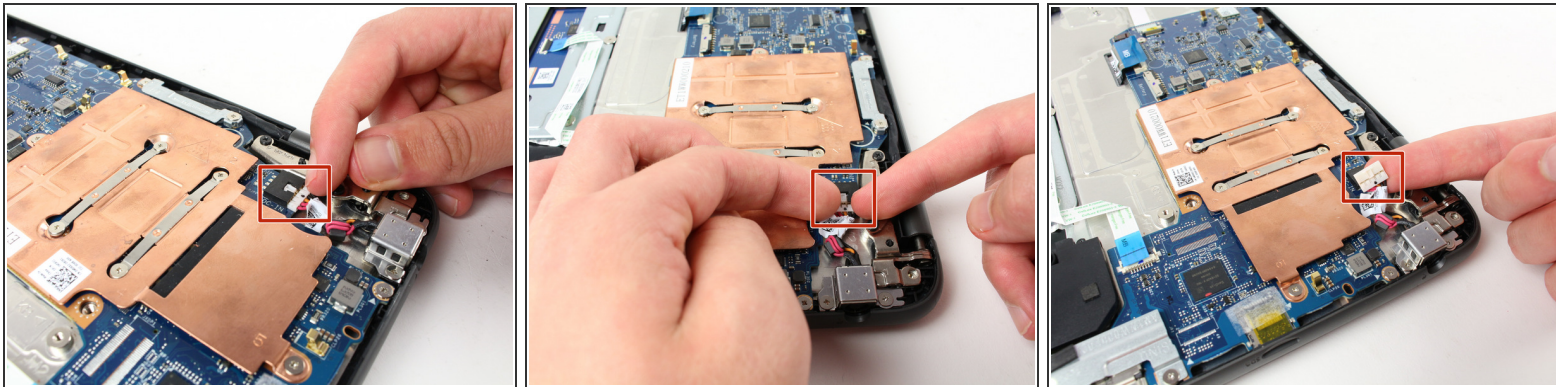
- Using a Phillips #0 screwdriver, remove the single 3mm screw.
- Remove the metal shield protecting the black and white wires beneath it.

Step 14



- Locate and gently pull up on the white and black wires to disconnect them from the motherboard.

Step 15



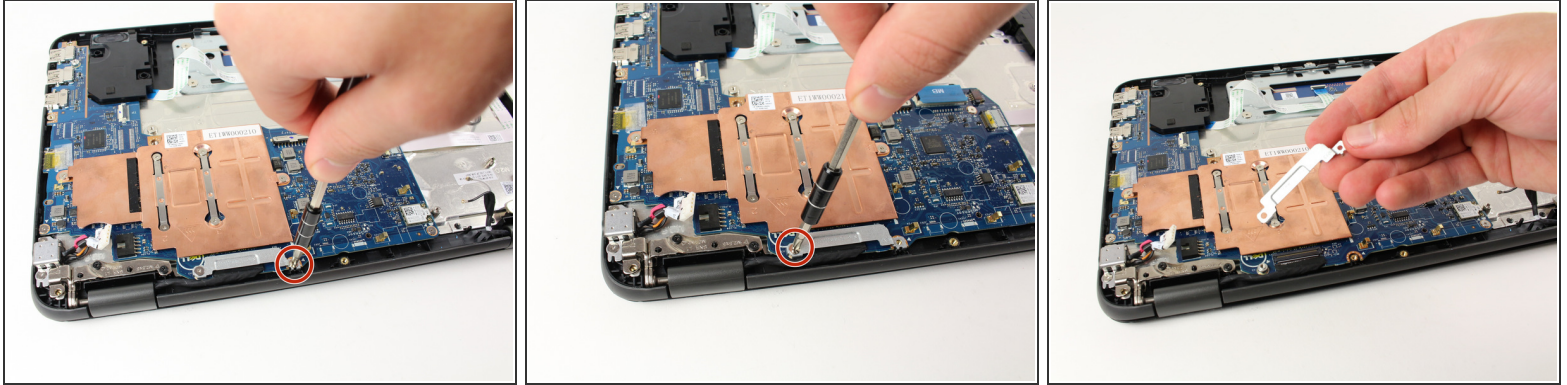
- Locate and gently pull the wire harness (small plastic box with two pink, one orange, and two black wires) directly out of the connector on the motherboard.

Step 16



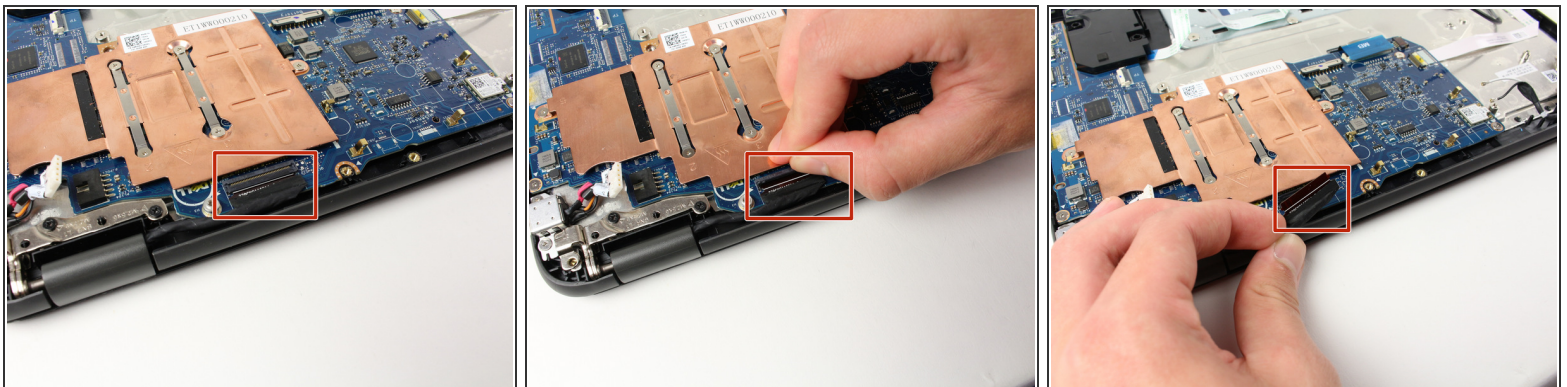
- Using a Phillips #0 screwdriver, remove the two 3mm screws.
- Remove the metal shield protecting the black and white wires beneath it.

Step 17



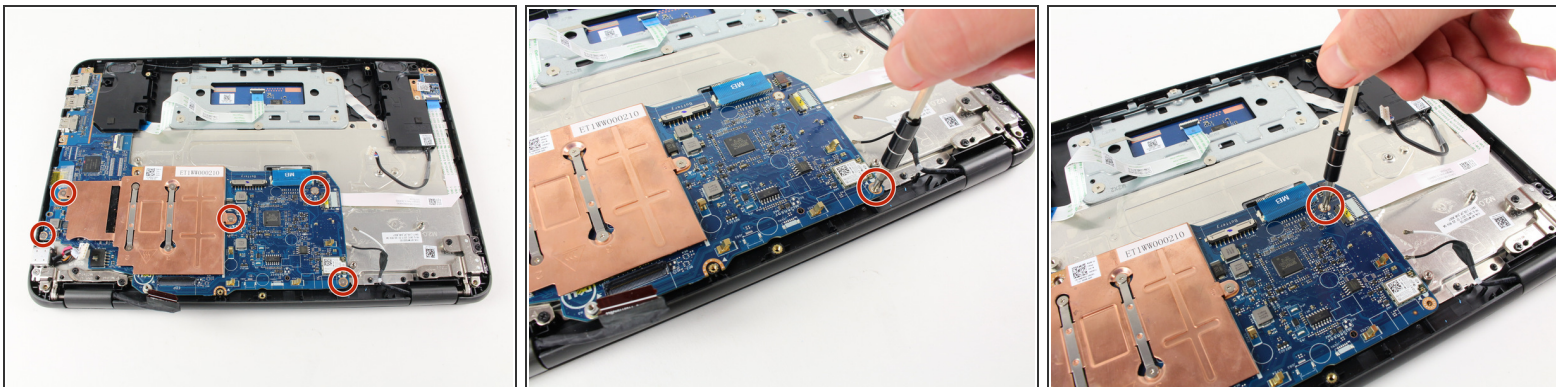
- Using a Phillips #0 screwdriver, remove the two 3mm screws.
- Remove the metal shield protecting the black and white wires beneath it.

Step 18



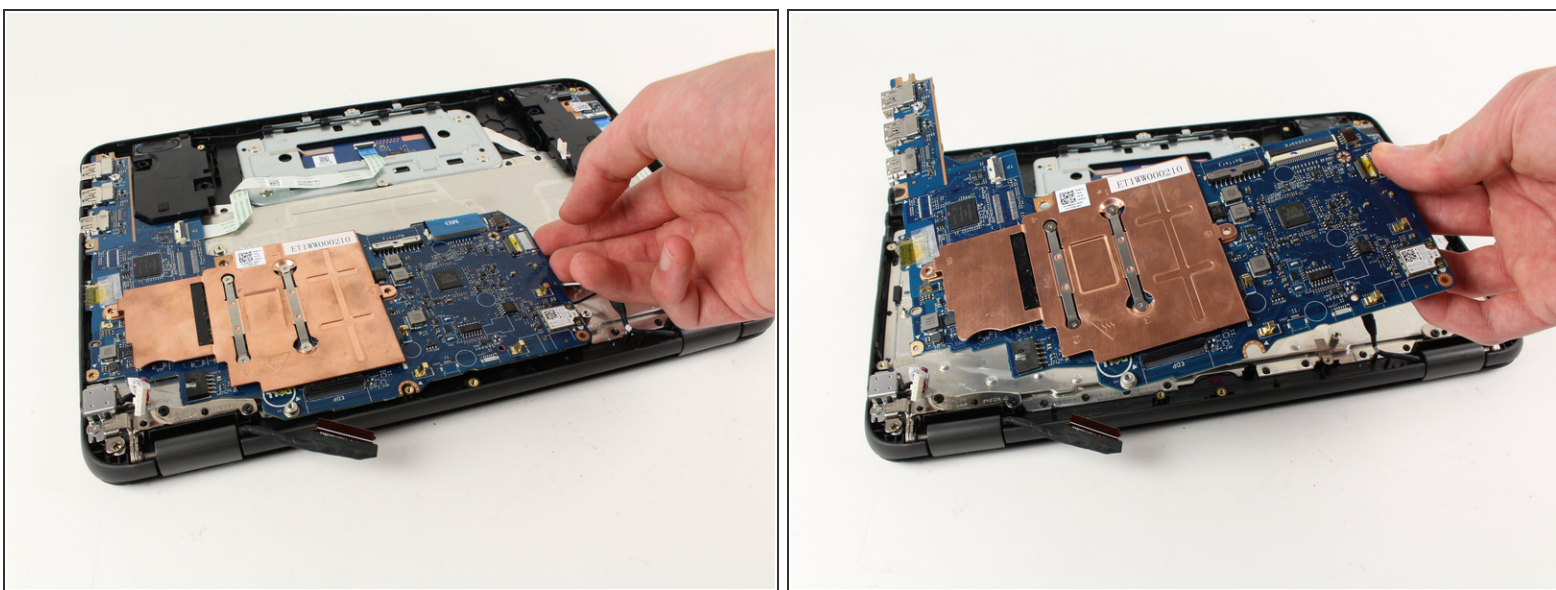
- Lift black clasp and gently pull on the back of the wire until it completely disconnects from the motherboard.

Step 19



- Using a Phillips #0 screwdriver, remove the five 3mm screws.

Step 20



- Gently lift and remove the motherboard.

To reassemble your device, follow these instructions in reverse order.

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